

# REPUBLIC OF FRANCE

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## SEARCH REPORT

prepared on the basis of the latest  
claims filed before the search was started

National Registration No.

FA 609911  
FR 0108277

DOCUMENTS CONSIDERED PERTINENT		Claims concerned of the examined application											
Category	Documents cited stating pertinent parts where necessary												
D, A	US 5 182 511 A (MICHEL DIDIER ET AL) January 26, 1993 (1993-01-26) Abstract; Figures 5A, B	1	H02P9/08 H02P9/30 H02J7/16										
D, A	PATENT ABSTRACTS OF JAPAN Vol. 1995, no. 01, February 28, 1995 (1995-02-28) & JP06 284598 A (SAWAFUJI ELECTRIC CO LTD), October 7, 1994 (1994-10-07) Abstract	1											
D, A	PATENT ABSTRACTS OF JAPAN Vol. 018, no. 687 (E-1651), December 26, 1994 (1994-12-26) & JP 06 276796 A (NIPPONDENSO CO LTD), September 30, 1994 (1994-09-30) Abstract	1											
A	DE 197 02 352 A (MITSUBISHI ELECTRIC CORP) January 15, 1998 (1998-01-15) Abstract; Figure 1	1	Search Classes (Int. Cl. 7) H02P H02J										
Date of Search: October 14, 2002		Examiner: Beyer, F.											
<p><b>CATEGORIES OF DOCUMENTS CITED</b></p> <table border="0"> <tr> <td>X: particularly pertinent by itself</td> <td>T: theory or principle at the basis of the invention</td> </tr> <tr> <td>Y: particularly pertinent in combination with another document in the same category</td> <td>E: patent document benefiting from a date prior to the filing date which was not published until this filing date or a subsequent date</td> </tr> <tr> <td>A: pertinent to at least one claim or general technological background</td> <td>D: cited in application</td> </tr> <tr> <td>O: unwritten disclosure</td> <td>L: cited for other reason</td> </tr> <tr> <td>P: intervening document</td> <td>&amp;: members of the same family, corresponding document</td> </tr> </table>				X: particularly pertinent by itself	T: theory or principle at the basis of the invention	Y: particularly pertinent in combination with another document in the same category	E: patent document benefiting from a date prior to the filing date which was not published until this filing date or a subsequent date	A: pertinent to at least one claim or general technological background	D: cited in application	O: unwritten disclosure	L: cited for other reason	P: intervening document	&: members of the same family, corresponding document
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# APPENDIX TO SEARCH REPORT FOR FRENCH PATENT APPLICATION NO.

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This appendix gives the members of the family of patents relating to the patent documents cited in the above-identified search report.  
These members were contained in the database of the European Patent Office as of  
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Patent Document Cited in Search Report	Publication Date	Member(s) of Patent Family	Publication Date
US 5182511 A	1/26/93	FR 2649797 A1 DE 69001216 D1 DE 69001216 T2 EP 0408436 A1 ES 2040081 T3 JP 3189149 B2 JP 3215200 A	1/18/91 5/6/93 7/8/93 1/16/91 10/1/93 7/16/01 9/20/91
JP 06284598 A	10/7/94	AUCUN	
JP 06276796 A	9/30/94	AUCUN	
DE 19702352 A	1/15/98	JP 10032940 A DE 19702352 A1 GB 2315374 A, B US 5923095 A	2/3/98 1/15/98 1/28/98 7/13/99